

FIGURE 1

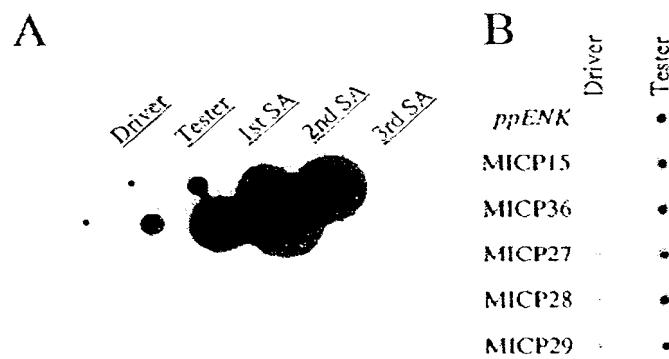


FIGURE 2

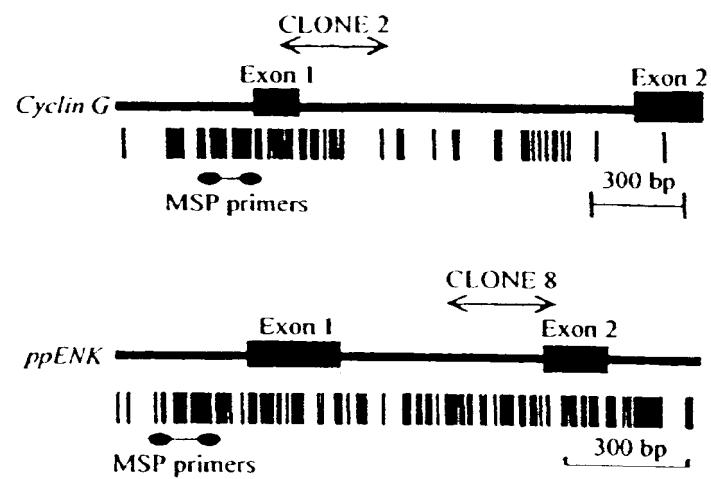


FIGURE 3

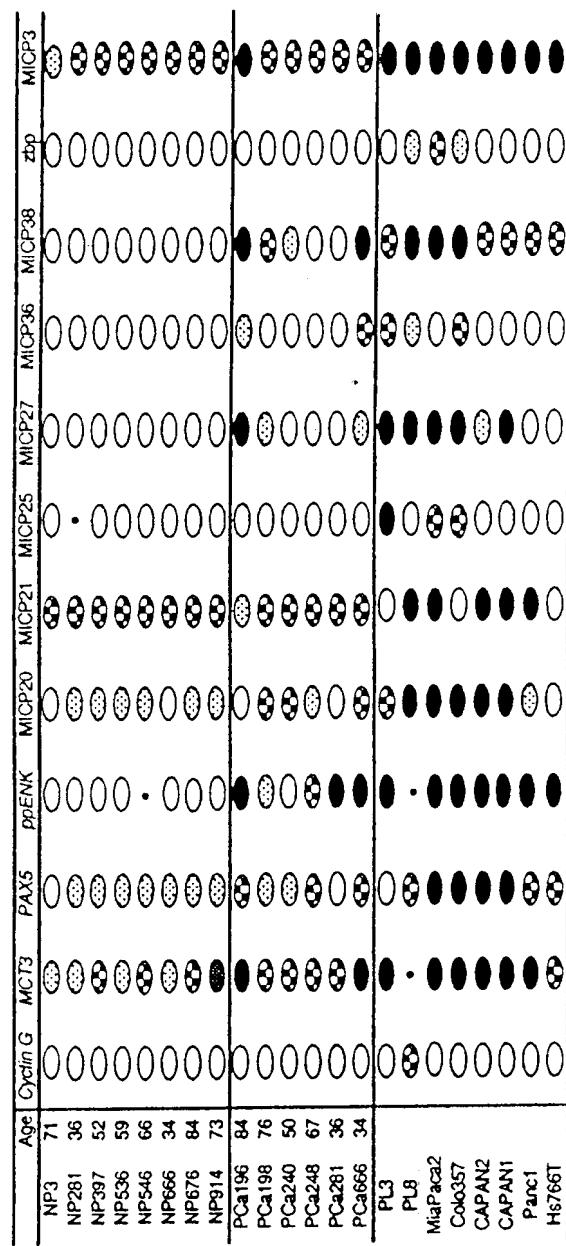


FIGURE 4

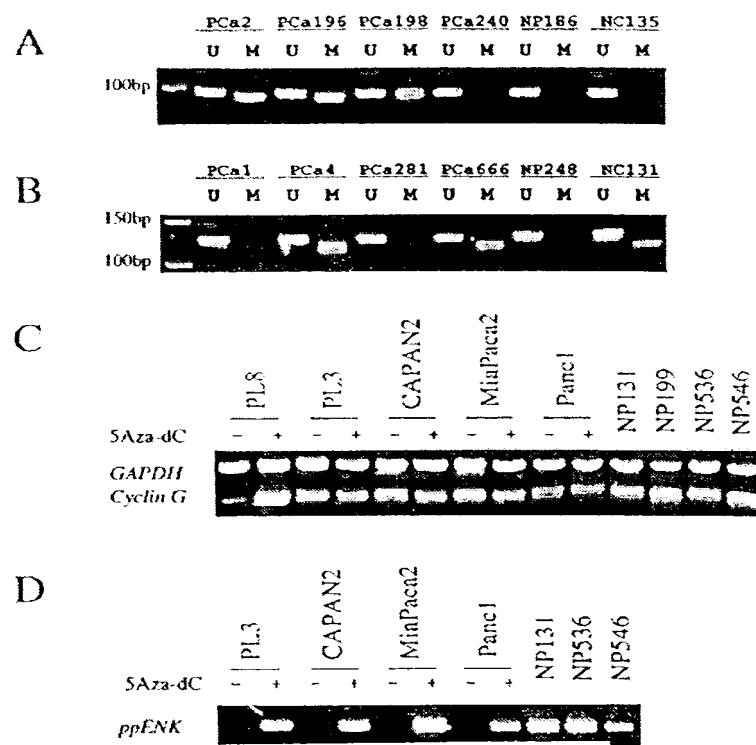


FIGURE 5

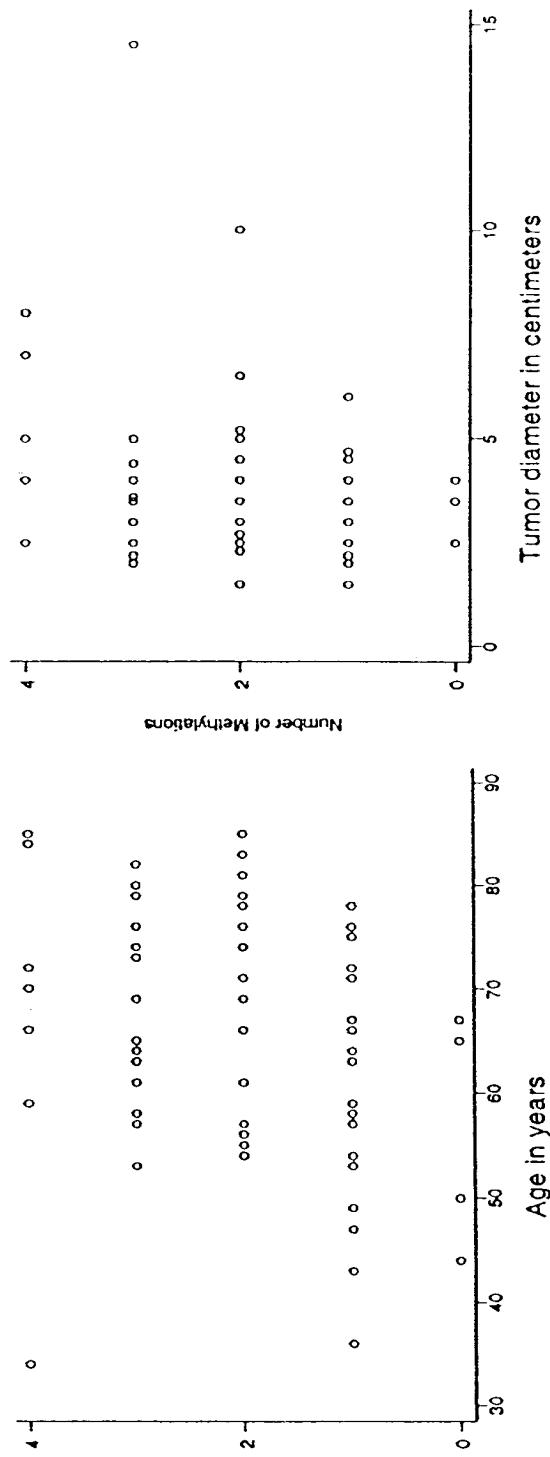


FIGURE 6a

PL3-17, CSX, MINT23 MICP1 (SEQ ID NO:1)

ccggggcgcggccctggctcgaaatggcgccagatctaggccctgcgtgcggcagtcgtccagttccaaccgggg
gtgcggccatggactctcgaggggcactctggggggacagctaagacaccaggctcaggatcacttcgtgcataatcgcc
ggccacaaactctccctgtgcgaagaacaaacgcgcgtgggacagaaaaagtctcttaggtctccgcaggaggtaatgc
gggactcagggtcatgtgggagggcccttcctccccccgagagtcaggagctgtgagggtggatggggatgcggccacgc
gttcctccctaccaggctcgatccatgcagcgtggacactcccggagttctgcggaaatcccggg

PL8-13 cyclinG micp2 (SEQ ID NO:2)

Cccggggagggtggttaccgcgtaggagctgcagtcgtcaagggtgagtgaaactgcgcgaggttgcaccgcaggcgggtg
gggagctgggtggggggcgcgggggcgaggagtaggtctggcccgccctttccacactaaacttaccgcgttgtgagcacaag
cccaggctagtcgaggctggggggcgaggcggttcggcccttgcgggtttgcgttgtccgcaccaggcgtcccaggacta
geetggggaggaagaatgaaacccctgcagtttagaggttcteacatgactagtcgtgaagacccctgccttcgtcttagtgt
gggaggggacccatgtatccagggttagctgtggccggg

PL3-12 MICP3 (298 bp, ECEL-1)(SEQ ID NO:3)

Cccggggagagatccggacagggttcgcaggaggtaaaggaaagtcctggtaagggtgagcttcgcgcaggcgtgtgc
ggcagcccaggcactccgtcagcgccttcataatcccttaggagggttcctccctgggtgtccaggcgtgtggctggaccat
gacggccccaggctcgtagtcctccatgcgttcacccctactgtccgggatgcg

PL3-9 309bp, micp4 gad1 AC007405 (SEQ ID NO:4)

Cccgggacagagagattgcgggtaatctggtagatcgaggacccacagagaaggcccacggccatgcctccacaccctc
ctccgcacctacttccttagccccgcgcgcagtcgcacagcaactcggcagcgggtcgactacggccctggaaaagtaacag
gttacccgttccttagtcgccttcgtctgtgtccctggggacaggcgctcgcagcatggaaagctcaaggaa
aatcgttcgtccccacttcactagtcctcgcgttcctcccg

PL3-18, 2nd, ICAM-5 (630 bp, MICP5)(SEQ ID NO:5)

Cccgggagcatgcgggcaattaccgcgtcgaagccaccaaccctgggctctgcggccaaaaatgtggccgtacgggtggaaat
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caaaacagtcgtgagcgcggagttgtgagcgcggccaggcgggttagggagcagggtgcggccacggccaggcactccctga
catccccatggctgtttgcagcgcaccggagatggatgaatctaccgtcccaagtcaccagacgtggctggaaagggtgaggct
tccgcgtggccctgcggccgggg

PL8-9 308bp, micp6 AF132611 MCT3 (SEQ ID NO:6)

Cccgggtggtgcaccctgcctgcccacaggccccgtgtccagcatctcgatgcaccgcgtttggctgtgcggccggatgtggcggg
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ggcccccctggcttcctccgtgggtgggggttgcggggatgtcaagatctgtcctcggtttccctatgagggacagtcgt
aagtccctcggtgggtcccgatctgtgggttcccg

FIGURE 6b

PI8-17 548bp, micp7 pax5 (SEQ ID NO:7)

PI3-50 255bp, micp8 ppENK (SEQ ID NO:8)

PI3-3 431 bp, MICP9 (SEQ ID NO:9)

Cccgggcagagctggagccatccccggaaaccaggggactccctggagtgtccggcaggctacgatcggggcccc
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gaggatccaccctcccaataccccgactccctgggctctgaccaagaatgggggtccaggcctcgagccctgagcg
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actgggctctggaaattctctctggggctgacagatggcccttttctctgcggcagccctcgcccatccgggtccggg

PL3-14 MICP10 (600bp) (SEQ ID NO:10)

PL3-23 359 bp, MICP11(SEQ ID NO:11)

Cccggggcgcacggcgtgagggtgggtctatgcagggcgcggagcctcccgctccgtagctaaccaggaccgctcagagggcttcacccctgaacctcggtttctaaaggagcgagaccagatccctcttctcgacgtcggtttctcgatctttcgactgagcacggcaatgcgcagacgtcgacgtctcaactgctcatcccgatctgtaacctgaggtgagcccgaagaccgctgcgcggccacccagcgcgggtccgctgaggatgaaacagcaagtgcgcgcggccaggccgcacccctccctccaacagccggg

FIGURE 6c

PL3-25 370bp, MICP12(SEQ ID NO:12)

Cccgggaggtagcggagattgcacacgcgatcctgcgagttccgaacttggagaagatcgtagccggagagaccctggagga
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acagaccggcccaa
tccgagggcggatgagctcagaggaccctcccaggacgcctccacttccaggaaaaccgacggcgtgcgcgcctccgt
ctcgcggagctgggtccccgg

PL3-32 324bp, MICP13(SEQ ID NO:13)

Cccgggcctggctgtccagccggcctgccagtctcgccccattctgtacggagggatgcggcgctgggcctcgaagc
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tgtctcagactgaagtgcactccgcgtttagggcgctcggtctgtacacccggagctactacgagcactgtgaaggtagctgt
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P13-49 392bp micp14(SEO ID NO:14)

Ccggggaaagacctcgagagacccttcaacacgtctccaggccagattccctaccatggctggagcaatgacgctcccc
tcgcactcgcatggagaccccgacttccctggcgccccacagagaggctcaactgaccctcgccgtcgatccctgagagaccc
ggcccgctcgagacaccccgagatccctgtacccgtcagagagcttggccctgtctctgtcatggcttagagaccaatctcgaccc
gtctccaaacgccteaggaggcttgactcccttgagtcgcggccagtgagctccaagagatacccgatcgatcgagagcagageg
gggtctttgttccactcgagatgaatgcctgtccccgg

PI8-1 358bp, micp15 AP000913.2(SEQ ID NO:15)

Cccgggagagggcagacgcctatccgttattcctcccttgcacattgttcagcgactctccctccgttcagcatccagggttccttacg
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ctaagegtttctatcgatatactgcaggtaaacagatggcagctctcaatagggtaatcgaggaggagggtctaataaaaggaacttttc
aacagcgagtagggcggttagggactccagtaggagttagggctgtgtcccaggataactaacagcaggcgcccttggcccccgggg

P18-5 545bp, micp16 (SEQ ID NO:16)

Cccgggctgtcgaggatgcgcaggctggggcggtcaggaggactggaaaggatcgtgccctagggtctctggcga
aaagggtcgccgcagcagggtggatcagggtgaggctgcgtggcatitggtgggtggtaaaatggaaagatgttccgg
ggagttgttggaaagactccggaaagaagggtctgttgaaggcgtgttgaaggatgttagggaaatgacagagggtgttttaggg
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gagggttcggagaaggtgcggtcggggaggagtctcgcatgtggggcggcgggaagctgacagctgcctctgttgt
ctcaggaggcggactccgcggcagccggggggcgtcatgtccccggagcgtccgcgtcgcga
ggccgcggcggcgcgtccatcccgaa

FIGURE 6d

PL3-16 MICP 17(510 bp, MINT 20) (SEQ ID NO:17)

Cccggggggcgctgagggtgccttcagggcggaggaggcgaaccctgtagcccacaacgcgggatgcatttggaggagtttc
ttccggatgtcgatatactggccggagacgggcctgcgtgtccatggggatggcgatggggaccagttccggtagagaagg
agataactcgatacaggaacgcacaggcagccgtaaagcagcccaggatctcgacaggggaaagggaaagccctgtcccttgc
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cagtcctcagcataaaagatgtcgggtagtgagttggcgaagctccctccaactcggttagtgcggggtaagcgcgtc
cggggcgttcgttgcgttggccctgtctggccgttggctggccctggggccctggggccgg

PL3-8 386bp, micp18 AC005998(SEQ ID NO:18)

ccggggaaacagttcaggacgtcaagaccagaaggcgggagcaaaccaaaaggagctccaaggagggtgtgtggggagagcc
agggggacgcaggactaggctttcctgcgcagggggggaaaccgcgaaagccaggagtcgcgcactcagccctc
gcgcaccaggcagagccaccgtgcaggagccacgggtgcgcgtcgccaggccgtatccacaccccccaccc
aaaaagctcaggctggagcggatcagtgcggactccggcaccaccacccaggagggttaaggaggactggcgc
cttgcctacagtcctgcgcaggctccaggccaaatcccccgg

PL3-33 514bp, micp19(SEQ ID NO:19)

Cccggctgaatggtagacgttctggcgcggcggcaggccaccggctggttccacttccgcgcacccctaaactgtgttcta
gaggccccagcctgccttcgcgcctcaactagtcctgaggactaggactcggcgttggcggttggcggttcgcgcacag
ctggcgcttcgttctctcgctgcgtggctggctcagctggccctccacagctcggagcaaggccatagcaggactggaggat
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ggacggacggcagggtgaccagcctgtgaagaaattcctgcgcggcggagctgtccctaattgcattcccccgg

PL3-51 279bp, micp20(SEQ ID NO:20)

Ccgggatcgggagctggagtgaggngctggcgtgaccctgtgaggagcccccggtagagcggcgtgcgccttcgc
gggtgaactgaaacttgcgttagggagagggtcgccgcgcgcctcgcgggggtccggagaagaccgcgcgtgtcg
cggggcagggcagaggcagggtgaaaggagagacactgtaatgacggcggatttgggtcgagggttgcgaggagggg
gcaaccctgaacaattgcattcccccgg

PL8-21 422bp, micp21(SEQ ID NO:21)

Cccgggtctggcttggctcgcccgccgcagatcccgtaaactcagctgcgcaccaagtgcgccttctctggattgcattctgca
cgaatttccagttgagggtggctcgccgcgcgcctcgcggccatgcggcgttgcgttaggacccctcagggtgggtt
ggcgcgcgtggccctagttccctagaattcgtttgcctcccgccgcctcagccgcgtggcgcgcgttgcgaggactc
gcaggccggacggctcgccgcgttcttagggagcagtcaaagggttgcgaggactgccagggttgcctccctaggctcc
actggatggccgttaactcagtcgttgcggcgcacagccaggccctgtggactgtgcagggtcccccgg

FIGURE 6e

PI3-18-2 mint32, 464bp, micp22(SEQ ID NO:22)

Cccgggtacctgcacagctgcgtccctcccacatctcggtctcgctcgaaacgtccgcgtctcggtgaggcctccctggacaacgca
tttggaaacgtaaccccaaggcaagaagccacccctccaggcgcgccaggcgaagccagggtccaggcgttggaggcaaaactcgtagactcttggagg
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agtggctagaggaatccaggcggggaaaggggacggggactccaggaggtgtaaatcacaaaggcggggggcggggacgccc
ggtccgagttccaggactctgcggggacgcgttcggccgccttcagggtccctggcgttccgttccggaga
acccctggcaccggccccagccccggg

PI3-4 257bp, micp 23(SEQ ID NO:23)

Cccggatcggtggccgttagtgggcacaggacgccgggtgtccgaagggtgcctggagatgcaactgacccgtggccatca
aatgacgagtggcagcagcaggagcgggggtgacgaaacatcacaaggacttgaacttggagacatacgccgg
ccatcgccggagggagactggcggcgagacgagtgaggggcagctagaggcggccggcttaagaaggggccacagtc
cccg

PI3-5 350bp, micp24(SEQ ID NO:24)

Cccggggatggcgcgcaggtaaggcaggcggacgcgcggaccctcgccgcagtgcggcccccgaaggcggtagggcgaga
aagagctggaccccccgaacttcgggatcggtgggtgaggctggcaggcctgtatcagggttcgtgcggaaagtta
ggtcctcgacaaccctctccagctctccggccgttccacccacggccagtcctccacctggggaaacccttggcgtggcttgtt
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ggg

PI3-6 337bp, micp25(SEQ ID NO:25)

Cccccggctccggctggagccggcagattcgctgcgcagcactgcggccctgttatccagcggccgaaagtgcggccctccgcag
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agaagtcccccaagccgtactcaaaaggcttctcccttcgttccacccacggccagtcacttcccaagaggacccggacccctgactgcct
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PL3-11 MICP26 (229 bp) (SEQ ID NO:26)

Cccggggaaagagatgagtgaaatcggtggccggacctgcaaggagagactcggcggcaccctgtgttggctgaggcgtct
gcaggaagcggactttctccctggcgttccaggatggaaagacagggatgcctgaagtcaacggggacttctgttccatctcgcccg
tctccaggcccgccagttttccctgttggtagatttccaacgtatcccg

FIGURE 6f

PL3-13 MICP27 (427 bp) (SEQ ID NO:27)

Cccggggctgtgaccggcccccagggcagccgccttccccctctgaagccgacgtttcttcatggctccgttaccggcttc
ggagacccgctggactttcgccgcctccggaaaccctatacgaggaagcaaatcgctccgcacagccctcaacttaggaaactccg
cgactctcagccctcagaagagaaacggagacgcgcacaagccgttacacggactgtgcacgcgcctccgggtccctgcg
cgtgacacaaattggccccgagggagctccatgtgcctgatcccaggagccctagatgccagcgcacagttgtcaccaggcctgc
gacgccaatggcgggagtcggcggagctcaggacactgacgacggcctggggaaagcggtccccacacagcccccgg

PL3-19 (470 bp, MICP28) (SEQ ID NO:28)

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atgagagtctgttagctgtAACGAAGCCACAGAGCTGTGGCTTCTTCCCTTCAGCTCTAGAAAGGTTATCTGCCCTGCACAGATCTCC
GGAGGCCTGGCTGGGCTCTGAGAGCATCAGACTGATTCTGTAAGAAAATAATCTCTGAGACACATTCCTGCTAGAAGCAGGGGACA
AAGCCAGCTCAAAGACAATTCCACACACGCCCTCCCTGCCCTGCACAGCTGCCTGCCGGTGGGAGCAGAGCCCTGCAGCCGG
GCTCAGGGCCTGGCAGGGACAGCGTGGCAGGGCACAGCTGAGACAGGGCCTCAAAGCGACACCAACCCGACGTGAAG
CTACAGTTGAGGAGACACAGCTGCCCTATTCCCGGG

PL3-20 (bp 264, MICP29) (SEQ ID NO:29)

Cccggggcggccggattcgccgggtgggtgagaggcagcagacgccgtttacagctctctgcgttagttgcacccctcagcccg
gtcttagggctgagccagtcgcctcccttaagattctggcacagcagggctgggttctaaggcaggittctaagggttcttcac
agacaccgctgtgttgcacccctgcagcgcgtggcacagccagggcagcgcgagagggaggcaacgagagggttcccg
g

PL3-21 (bp 371, micp30) (SEQ ID NO:30)

cccgggacccaaatgccagggagggcctgcaggaccccagccgtggcgagttgtgcctggtcaccctgtgttcgcagcgt
gcgggtggcaggagcccagcgccggaggacatttcatacgccctacagtggatccacccagccagcgtcaagttatacggc
gttccactcagcgtcagccaagaccaggaaagcgttgcgttaggagacgtctgcaagagataaaaagctagcccacgatccac
ccacaatccctgtgtccccggg

PL3-22 bp 179, MICP31(SEQ ID NO:31)

Cccgggaactcgccggcaccactgggtattgtcgccggaccagcaagtcttaggaacgggggtggtagagcatcctcgccactg
ccgttcgtccccaaagaagaccaccgcggggctccaggcccacggcaggacggcactggcagattccggacaggcggct
ggcccccggg

FIGURE 6g

PL3-34 445bp, micp32(SEQ ID NO:32)

P18-2 357bp micp33 AC002133(SEQ ID NO:33)

Cccggggagccccggacccgcataccccaggcgccggaaactggcgaggccccaggagctccattatagtctcaggttccac
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gcaggggcgcagggttccaaacccagccgggacccctccctctcgaacccaggtgttccggctccagacccaaatggatgggg
gcgcacccgcggggatccgcctcggtccccatccatccgcgtcagccgcggagttctcaacggaaagagggcgga
gtccccggg

PI8-3 312bp, micp34 AC005826(SEQ ID NO:34)

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aactgcgcgtccagattcccaagggagacaaagacccgaaacacagctcaaagtccgagagcagtcacagcggggcagggac
tccagaaglgtcagctcaacgactccagagctgcacactggctctatccccaccgcaaagccccagagccgcagagactcga
ggcagccggagaggagagggccaccgagcactacggcggtgcacgcggccgg

P18-6 372bp, micp35(SEQ ID NO:35)

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tcctcgaaagtggcgagcgaaggagcgctgagcactgacgtctggctgggaggagcgggtccgagcgaggacggagaggg
gacagaggaaagggaggcggggtgtctccctcaggaatttgagctggggatctgcacccattgcagtccttagcattctcgcc
gcccctgagcgccgtggaggctcgaggctggccctccagggtatgcggcgccgtctgggacgtcgggga
aaaaatggaggagacgggagagccgggg

Pl8-7 399bp, micp36 AF132611(SEQ ID NO:36)

Cccgggtcgagcgccggcttggattccacgcctccgccttcccaggcgctggaatggacacggacgcccacagtggcggc
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aaattcactcatctcccaactccgacatgttacaccccttacaaactctggaggaccgacgcgggtgtatcgaatttgcccttcttt
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aagcgggttgggtgaaatgaaggccatcgagggctccggg

FIGURE 6h

PL3-31 307 bp, MICP37(SEQ ID NO:37)

Cccggggcccggtgcgcaccggtgccgacttggcagccgcctgtgcgcgtcgcacgaaagggtgagaaggaggcaggagtgcagg
cggaaggagtggcaatcagcggcgggacgagagtgtgttcgggaaaccaagtctgagtgagcgcgtgaaggggagtgtgcg
gagcgtccgtgcaccccggccccccgcctattgccttcgccttcacctgcctcatgcgcagggaccgggtccct
cccgccgcaggctgttaggtggccgttgcgtgggaccggccgg

PI3-37 331bp, micp38(SEQ ID NO:38)

Cccggggccacctctgaggcatgaacccagagacgcgcgcgcctggcttggaaaggcaggaccgtgcgcgcctcagg
gtagaggcgggaaacaggcccgcggcgtcgcttgcgtggccggggaaaggcgtacgcgtacggagttgcgcgcctctctgg
gcctcgtaaggaacaagagcaattacagcgtggccggccacgttagtccctgggctaggtggcccaatgcctcggccgcgg
ggctggagcgcggaggctggagagggaggaccctccgcggcgtccaggtctggaggctcagcccg

PI3-43 304bp, micp39(SEQ ID NO:39)

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ggaaggagtggcaatcagcggcgggacgagagtgtgttcgggaaaccaagtctgagtgagcgcgtgaaggggagtgtgcgg
gcctcgccgtgcaccccggccccccgcctattgccttcgccttcacctgcctcatgcgcagggagccgggtccct
cccgccgcagctgttaggtggccgttgcgtgggccccgg

PI3-44 307bp, micp40(SEQ ID NO:40)

Cgggggtcccagcaaaccagaacggccacccatagacagccgtcgacggagaggaccgtccctggcgcagatcatgggg
agggtggagagaggcgagaggcaatgaggcggggggctgggtgcacggcacgtccgcacactccctccagcgcactca
gacttggttccccgaagacacactctcgccccgcgcgtgttgcactccctccgcactccagcccttcaccccttcgtc
gagcgcacaggcgcgtccaaatgcggcaccgggtgcgcaccggccgg

MICP41 also known as PL-3-2, 43(SEQ ID NO:41)

Cggggcccggtgcgcaccggtgccgacttggcagccgcctgtgcgcgtcgcacgaaagggtgagaaggaggcaggagtgcaggc
ggaaggagtggcaatcagcggcgggacgagagtgtgttcgggaaaccaagtctgagtgagcgcgtgaaggggagtgtgcgg
gcctcgccgtgcaccccggccccccgcctattgccttcgccttcacctgcctcatgcgcagggagccgggtccct
cccgccgcagctgttaggtggccgttgcgtgggccccgg

FIGURE 6i

P18-19 479bp, micp42 3' of FLJ00083(SEQ ID NO:42)

Cccgggttccgttgttgaaccctgtttccctgttctgcaggcatgtggtc~~gg~~gaagggtgtngctgngcttaggtgggtg
cagcc~~cg~~gtcccacgtcac~~gg~~gagctgttccctggctgggacagtgagggtc~~atcg~~gtgc~~cc~~atctggagctctggctcc~~tc~~
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